

CMOS & CCD Camera for Microscope

HK Series

Ultra-Fine™ Color Engine

USB2.0 High Resolution Perfect Color

KOPTIC 한국광학

303 Dongwoo B/D 265-10 Yangjae-Dong, Seocho-Gu, Seoul (137-130)

TEL : 82-2-2038-8854 FAX : 82-2-6499-0868

MOBILE : 82-10-6319-2038

www.koptic.co.kr


K-OPTIC HK-XCAM720H

CMOS HDMI CAMERA

CAMERA

Image Pickup Device	Aptina MT9P031 CMOS (Color)
Scan Mode	Progressive
Max. Resolution	1280X720 (16:9)
Video Format & Frame Rate	30fps @720P
OSD Cursor	On/Off
Exposure	Auto & Lock
White Balance	Auto , Manual & Lock
Sensor Size (Diagonal)	1/2.5" (5.70mm(H) x 4.28mm(V), Diagonal 7.13mm)
Pixel Size	2.2 μ m x 2.2 μ m
Spectral Range	380-650nm (with IR-filter)
Color Rendering Technique	Ultra Fine™ Color Engine
Video Preview	Stream/ Freeze
Image Storage	Save to SD Card

INTERFACE & BUTTON FUNCTIONS

	1X HDMI Output Port 1X SD Card Slot 1X Power Input Slot 1X Remote Switch Slot	
	Button1	Video Stream/Freeze
	Button2	AEWB ON/OFF
	Button3	Save Image to SD Card
	Button4	Cursor ON/OFF

POWER SUPPLY

AC Input	100-240VAC 50/60Hz (AC/DC adapter)
DC Output	DC 5V/3A

OVERALL DIMENSIONS

Width X Depth X Height:	68 mm (2.67") X 68 mm (2.67")X 92mm (3.62")
Shipping Weight:	0.25 kg (0.55 lbs)

ENVIRONMENTAL PARAMETERS

Operating Temperature	0°C (32°F) to 40°C (104°F)
Storage Temperature	-20°C (-4°F) to 60°C (140°F)
Operating Humidity	15% to 85%, Noncondensing
Storage Humidity	10% to 90%, Noncondensing

OPTIONAL ACCESSORIES

Lens	C-mount Lens
Cable	HDMI Cable
Memory Card	SD Card

■ Function key Description

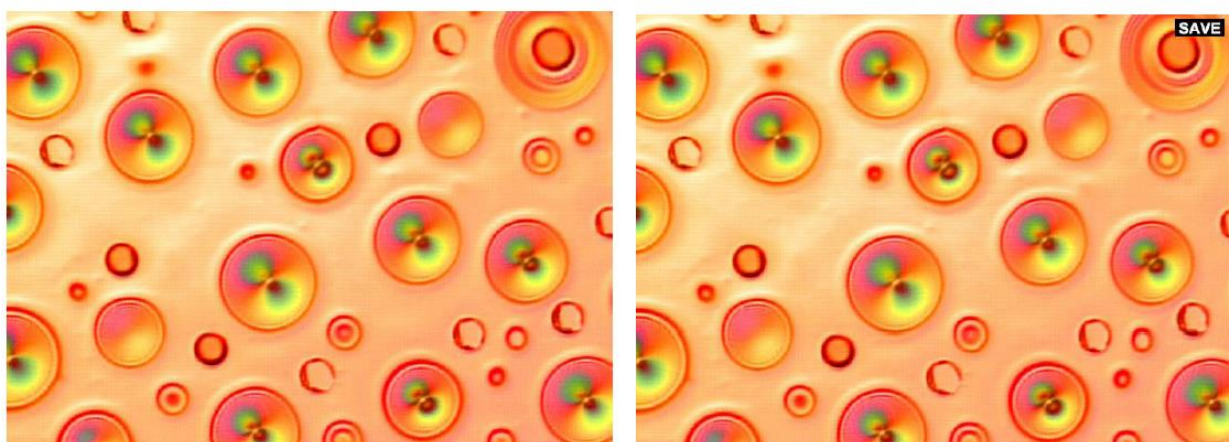
The camera light indicator flashes about 15s after the power on. The camera will load software, and then the system begins to work. Auto exposure and white balance are the default state now.



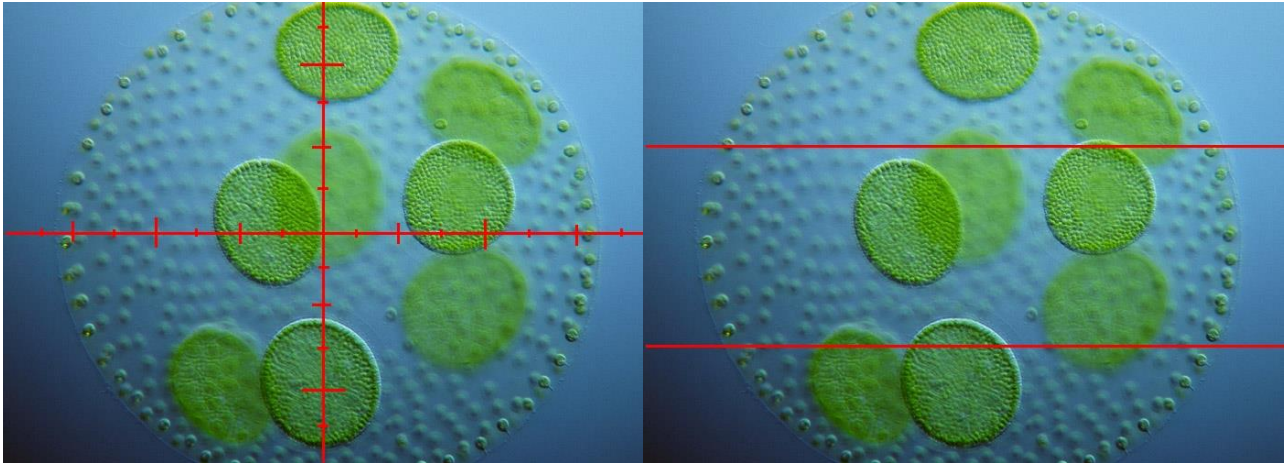
FREEZE Button : Toggle between the video stream mode/freeze mode(Default is video stream)
The image displayed on the monitor is the currently captured one under the freeze mode, and the image acquisition will continue after pressing the FREEZE button again.

AEWB Button : Toggle auto exposure and white balance on/off(Default is on).

SAVE Button : Saving the current screen to the SD card, the compression format is JPEG with a resolution of 1280X720, users can press the button or click the remote controller button to save picture.

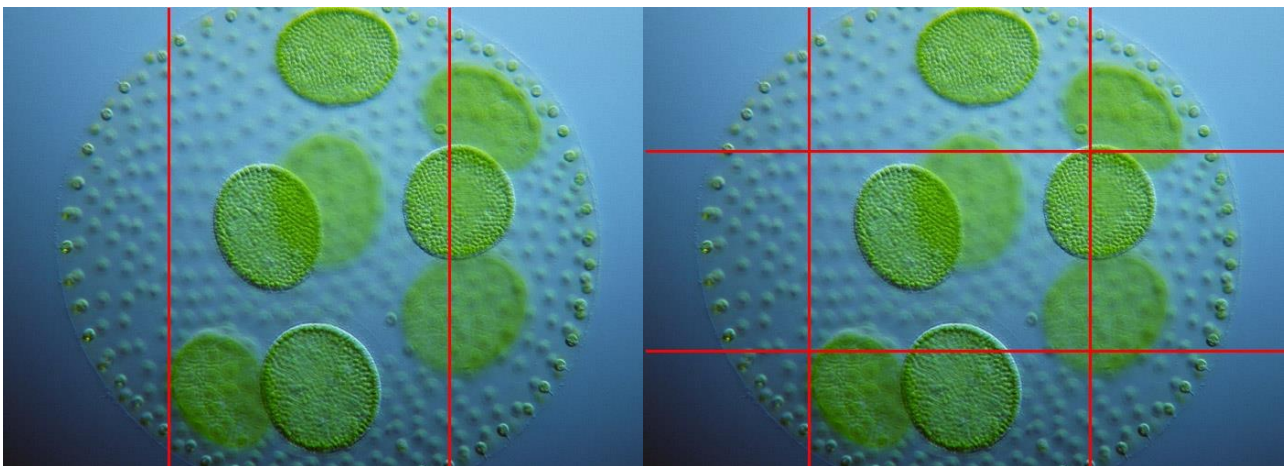


CURSOR Button : Toggle the OSD cursor on/off(default is off). Cross hair style including: scale, double horizontal line, double vertical line, double cross line, Tri-factor cross line. Functions shift as user press the button.



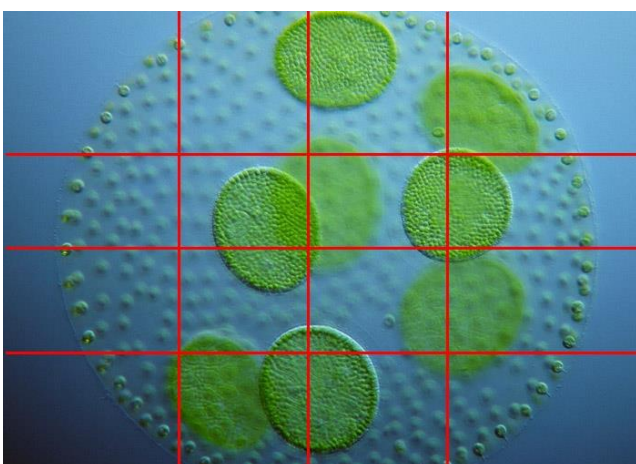
Scale

Two horizontal lines



Double vertical lines

Double cross lines



Tri-factor cross lines